

# Service Bulletin

no. 25, 2026-06-23

## Preservation procedure for dosing pumps during extended standstill periods

*System applicability: all Marinfloc water treatment units*

### Background

Marinfloc has received reports of dosing pump failures and “Motor blocked” alarms following extended periods of system inactivity. During prolonged standstill periods, residual PAC (polyaluminium chloride) and FlocBooster chemicals may dry, harden, or crystallize inside dosing pumps, hoses, injection points, and non-return valves. Elevated ambient temperatures accelerate evaporation and increase the risk of chemical deposits forming within the dosing circuit. These deposits can partially or completely obstruct the chemical dosing lines. If the dosing system is not properly flushed prior to a standstill exceeding two (2) weeks, solidified chemical residues may cause:

- “Motor blocked” alarms
- Reduced or complete loss of chemical dosing
- Excessive discharge pressure
- Damage to dosing pump components
- Damage to hoses, valves, and injection fittings

### Required preservation procedure

For all dosing pump standstill periods exceeding two (2) weeks, the following preservation procedure must be carried out:

1. Place both chemical suction hoses, including their bottom valves, into a container filled with fresh water.
2. Thoroughly flush both the PAC and FlocBooster dosing pumps with fresh water by pressing the 100% button and setting the adjustment knob to maximum. Continue flushing until all residual chemicals have been removed from the dosing circuit.
3. Clean the chemical injection points and inspect the associated valves for deposits or blockage.

### Warranty notice

The preservation procedure described above is mandatory for standstill periods exceeding two (2) weeks. Damage caused by crystallized, hardened, or dried chemical residues in dosing pumps, dosing lines, valves, injection points, or associated components resulting from failure to perform the required flushing and preservation procedure is considered operational and maintenance-related damage and is therefore not covered by the Marinfloc warranty.

For detailed shutdown and preservation instructions, refer to the Final Drawings, Chapter 7 – Maintenance, Section: Preservation.